

RESUME/CV

Name: SIMA ROY

Passionate Mathematics teacher with a passion inspiring and engaging students to learn Mathematics. Committed to creating a collaborative and interactive learning approach with the students to reach their full potential.



Designation: Assistant Professor
Department of Mathematics
Raja Rammohun Roy Mahavidyalaya

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Present Address: Department of Mathematics
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West Bengal, India
Pin: 712406

Email ID: simaroyng@gmail.com

Date of Birth: 06.12.1994

Academic Qualifications:

Name of the degree	Institution	Year	Class	% of marks
B.Sc.	Ananda Chandra College	2015	First	69.75
M.Sc.	University of North Bengal	2017	First	73.94
NET	CSIR	Qualified in 2018 (Held in December 2017)	N/A	
Ph.D. Coursework	University of North Bengal	2019	Grade A+	

Awards:

- a. CSIR- JRF

Teaching Experiences:

Assistant Professor, Raja Rammohun Roy Mahavidyalaya, Radhanagar, Nangulpara, West Bengal, India, 01.11.2019 till date.

Domain of thought (research interests): Analysis, Geometry and Topology.

At present I am working on Topological properties with respect to ideals (Ideal compactness using ideal convergence, the set of limit points and cluster points with respect to ideals, special emphasis on compactification using ideals, etc.)

Publications:

Sl. No.	Publication
3	M. Singha and S. Roy , J^K -limit points, J^K -cluster points and J^K -Frechet compactness, (Communicated) https://doi.org/10.48550/arXiv.2303.10194

2	M. Singha and S. Roy , <i>Compactness with ideals</i> , Mathematica Slovaca , vol. 73, no. 1, 2023, pp. 195-204. https://doi.org/10.1515/ms-2023-0018
1	M. Singha and S. Roy , <i>Influence of ideals in compactifications</i> , (Communicated) https://arxiv.org/abs/2112.02028v1

Papers Presented in National and International Seminars / Conferences:

1. **S. Roy**, Compactness in topological spaces using ideal convergence, International conference on Advances in Higher Mathematics, Mathematical Sciences and Mathematical Modelling, Calcutta Mathematical Society, December 20-22, 2019. (**INTERNATIONAL**)
2. **S. Roy**, Some aspects of Ideal Compactness in Topological Spaces, National Seminar on Recent Advances in Mathematics and Its Applications (RAMA – 2020), February 06-07, 2020.
3. **S. Roy**, I -Compactness and I^* -Compactness, International Conference on Mathematical Sciences and Applications, February 26-28, 2020. (**INTERNATIONAL**)
4. **S. Roy**, Impact of COVID-19 lockdown on air quality: A Mathematical data analysis from Kolkata Metropolitan, West Bengal, India, International Seminar on Pollution and Biosafety: Issues & Concerns, 3rd August, 2022. (**INTERNATIONAL**)
5. **S. Roy**, Ideal version of Compactification, International conference on Algebra, Mathematical Analysis and Simulation, Calcutta Mathematical Society, December 08-10, 2022. (**INTERNATIONAL**)
6. **S. Roy**, U^w -cluster points, U^w -limit points and some aspects of U^w -frechet compactness in topological spaces, Hypatian Voices: A Gynocentric National Seminar on Mathematical Sciences, University of North Bengal & Indian Women and Mathematics, 16-17 March, 2023.

Participation in other academic programs:

1. UGC Sponsored Faculty Induction Programme, UGC-HRDC, 23.09.2020 to 31.10.2020, Aligarh Muslim University.
2. UGC Sponsored Refresher Course, UGC-HRDC, 20.08.2022 to 02.09.2022, The University of Burdwan.
3. An International Workshop on Mathematical Sciences: Some Intellectual Stimulated Topics, October 12-14, 2023, University of North Bengal & Jadavpur University.

Name of the Referees:

1. Prof. Manoranjan Singha

Professor

Department of Mathematics

University of North Bengal

Raja Rammohunpur, N.B.U

Darjeeling, 734013

2. Dr. Dipak Bhargava

Principal

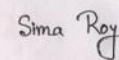
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Declaration:

I hereby declare that the above mentioned information is true to the best of my knowledge.



Sima Roy